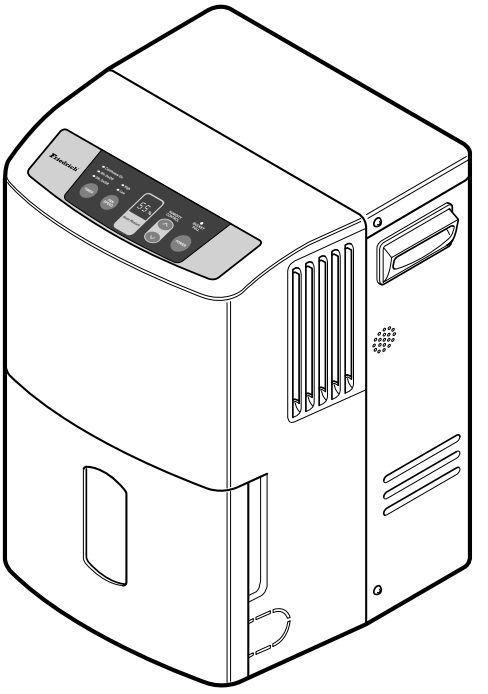
Friedrich®

Dehumidifier Service and Parts Manual



115Volts • D30A D40A D50A D65A

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1. PREFACE

This Service Manual provides various service information, containing the mechanical and electrical parts etc.
This dehumidifier was manufactured and assembled under the strict quality control system.
The refrigerant is charged at the factory. Be sure to read the safety precaution prior to servicing the unit.

1.1 SAFETY PRECAUTIONS

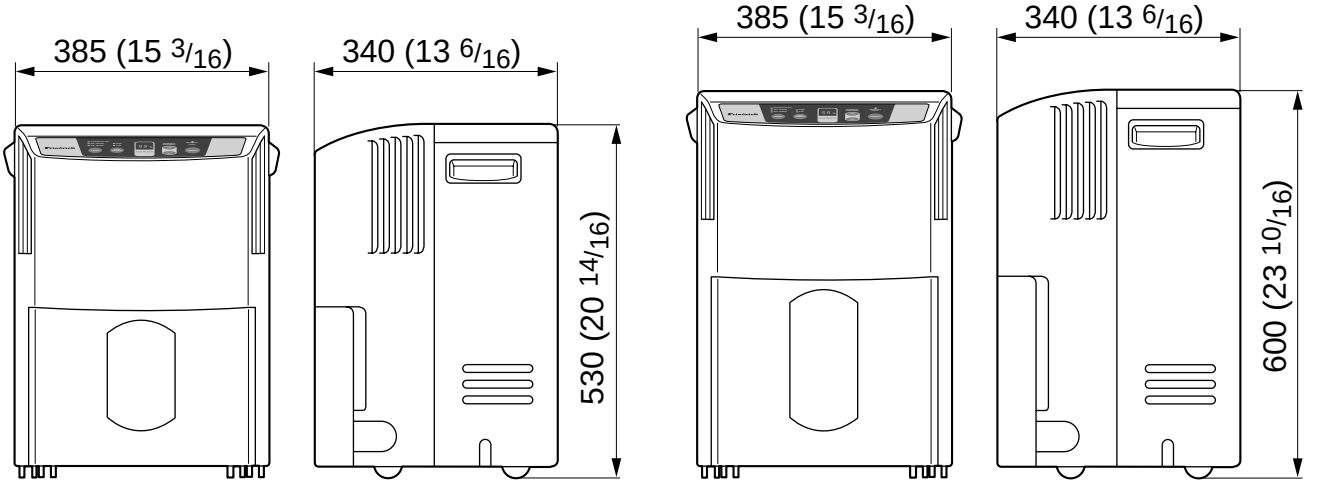
- Disconnect power supply before servicing or replacing any electrical or non-electrical component.
- Do not cut off the grounding prong or alter the plug in any manner at any circumstances.

1.2 FEATURES AND DIMENSIONS

1.2.1 FEATURES

- Quiet operation
- High efficiency
- Adjustable humidistat
- Automatic defrost
- Automatic shut-off
- Bucket-full indicator light
- Easy roll casters
- Removable & large capacity bucket.
- Washable air filter
- Two-speed fan
- Drain hose connection.

1.2.2 DIMENSIONS (mm/in)



D30A/D40A Model D50A/D65A Model

Figure 1

1.3 SPECIFICATIONS

ITEMS \ MODELS			D30A	D40A	D50A	D65A
CAPACITY (Pints/24hrs)			30	40	50	65
POWER SUPPLY (Phase, V, Hz)			1ø, 115V, 60Hz			
REFRIGERANT			R134a	R22		
REFRIGERANT CHARGE, oz(g)			5.47(155)	5.64(160)	7.23(205)	7.76(220)
THERMISTOR	OPEN		30.2°F(-1 ±0.5°C)	32.9°F(0.5 ±0.5°C)	30.2°F(-1 ±0.5°C)	
	CLOSE		50.0°F(10 ±0.5°C)	53.6°F(12 ±0.5°C)	50.0°F(10 ±0.5°C)	
COMPRESSOR MODEL NO.			LX86HAQG	2S7B126A	QA084CBB	QA114CBF
P.T.C. ASSEMBLY	TYPE		P6R8MC	-		
	TIME		WORKING TIME: 0.3 ~ 1.3 sec. RETURN TIME: 65 sec.			
	MAXIMUM	AMPERE	10A			
		VOLTAGE	200V			
PROTECTOR			• OVERLOAD PROTECTOR FOR COMPRESSOR			
			• INTERNAL PROTECTOR(FUSE) FOR MOTOR			
CAPACITOR			-	40μF, 200VAC	30μF, 270VAC	35μF, 270VAC
MOTOR ASSEMBLY, SINGLE			Shaded pole motor, 65W/1A ↓, Thermal cutoff : 266°F/130°C			
SWITCH ASSEMBLY, MICRO			15A/250VAC			
OUTSIDE DIMENSIONS W x H x D, mm(in)	30, 40 PINTS		385 x 530 x 340 (15 $^{3}/_{16}$ x 20 $^{14}/_{16}$ x 13 $^{6}/_{16}$)			
	50, 60 PINTS		385 x 600 x 340 (15 $^{3}/_{16}$ x 23 $^{10}/_{16}$ x 16 $^{6}/_{16}$)			
NET WEIGHT, kg(lbs)			22.7(50.0)	17.2(37.8)	21.2(46.8)	21.6(47.6)

※ **NOTE : Specifications are subject to minor change without notice for further improvement.**

1.4 CONTROL

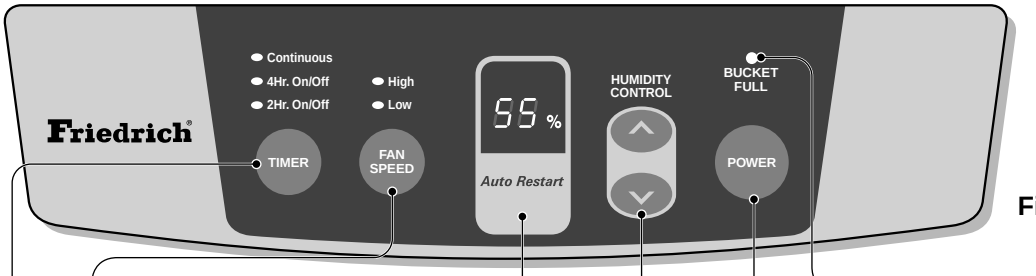


Figure 2

Fan Speed
- This controls the speed of the airflow.
- High: Fan speed is set to high.
- Low: Fan speed is set to low.
- When Fan Speed button is pressed, the fan speed mode is changed.

Timer
- Press this button to select type of operation.
- Select continuous for uninterrupted operation.
- Select either 2 or 4 Hr. On/Off for cycled operation:
  The unit will operate for 2 or 4 hours, and then shut off completely for 2 or 4 hours.
  The cycle repeats until you change the setting.
- When Timer button is pressed, the Timer indicator lights shift as follows: Continuous → 2 Hr. On/Off → 4 Hr. On/Off → Continuous .

Bucket Full Indicator
- This light glows when the water bucket is full and needs to be emptied.

Power
- Operation starts when this button is pressed and stops when the button is pressed again.

Humidity Control
- This button controls the humidity in the room.
- Press ^ button to raise the humidity setting.
- Press v button to lower the humidity setting.
- The humidity setting can be set to a permanent "On" setting or to a specific humidity setting between 35% and 70% in 5% increments.
- "On" setting: Dehumidifier runs continuously regardless of humidity condition.
- 35% - 70% setting: Dehumidifier runs on and off according to surrounding humidity conditions.

Auto Restart
- Once power is restored after a power outage, the unit returns to its previous operation setting after a 2 minute delay.
  The fan runs immediately when the power is restored.

1.5 HOW TO OPERATE DEHUMIDIFIER

1.5.1 HOW DOES THE DEHUMIDIFIER WORK?

Moist, humid air is drawn over a cold refrigerated dehumidifying coil. Moisture in the air condenses on this coil and drains into a bucket (or through the bucket into a hose and drain).

Dry, clean air is drawn over the condenser where it is actually heated several degrees and discharged out the front grille into the room. (See Figure 3)

- *It is normal for the surrounding air to become slightly warmer as the dehumidifier operates.*

This warming effect further reduces the relative humidity of the surrounding air.

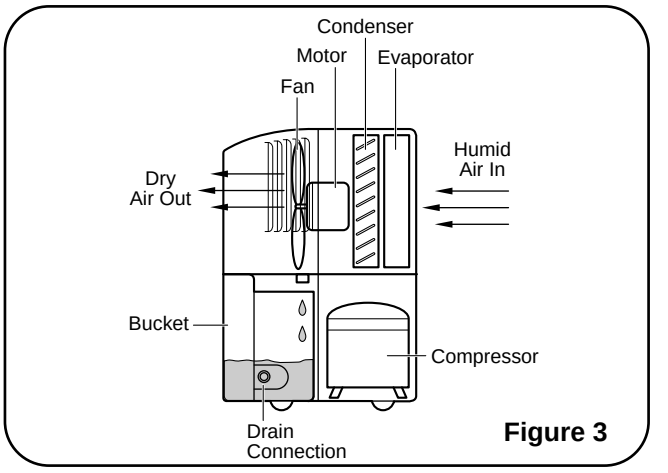


Figure 3

1.5.2 LOCATION FOR THE DEHUMIDIFIER

Allow at least 12 inches of space on all sides of the unit for good air circulation. (See Figure 4)

- *The dehumidifier must be operated in an enclosed area to be most effective.*
- *Close all doors, windows and other outside openings to the room.*

Place the dehumidifier in a location that does not restrict air flow into the rear coil or out the front grille.

The operation of dehumidifier in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

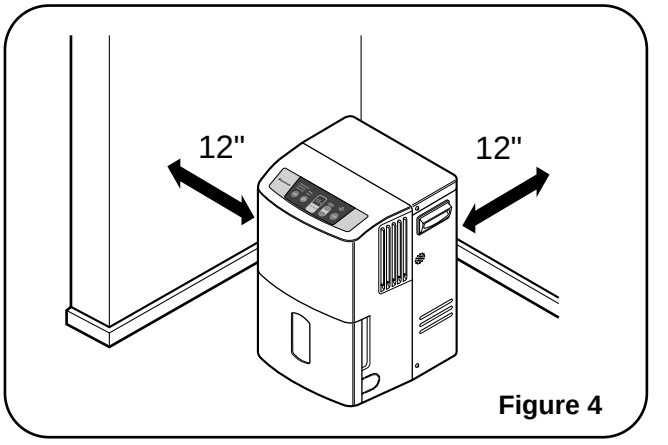


Figure 4

1.5.3 MICRO SWITCH

The micro switch assembly, which is located on the drain pan of inside unit, automatically shuts off the dehumidifier when the bucket is full (note, the Auto Shut Off lights, to indicate bucket must be emptied). The bucket replaces in its place, the unit again turns itself on.

1.5.4 AUTO DEFROST

When frost builds up on the cooling coils, the unit will automatically cycle off until the frost disappears. The fan continues to run.

NOTE: The unit is designed to be operated at temperature above 65°F(18°C) in normal condition. If the dehumidifier is operated in low temperature conditions, the temperature and humidity conditions of room are low, some frost can be formed in its evaporator coil and the unit will be operated ON/OFF repeatedly. In this case, please check on your room temperature condition and stop the unit.

1.5.5 HUMIDITY CONTROLLER

The humidity control can be set 'On' or 35%-70% RH(Relative Humidity) for normal operation. (See Figure 5)

If you need drier air, press the ⌄ Humidity Control button.

If you need moister air, press the ⌃ Humidity Control button.

Press the Power button to stop the unit manually.

Figure 5

1.5.6 DRIER (D30A)

Dryer is used to prevent capillary blockage from moisture in the refrigerant system and H/E, condenser and evaporator. Also, dryer is used to remove corrosion of the components.

NOTE: When dryer is replaced, proper injection to capillary is needed. On opening the dryer, it should be welded instantly. The oxidization of dryer inside and all tubes inside after welding can be prevented.

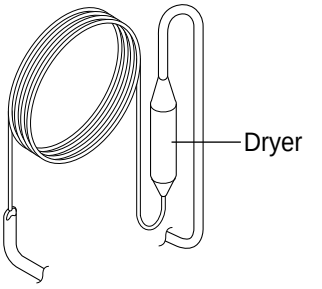
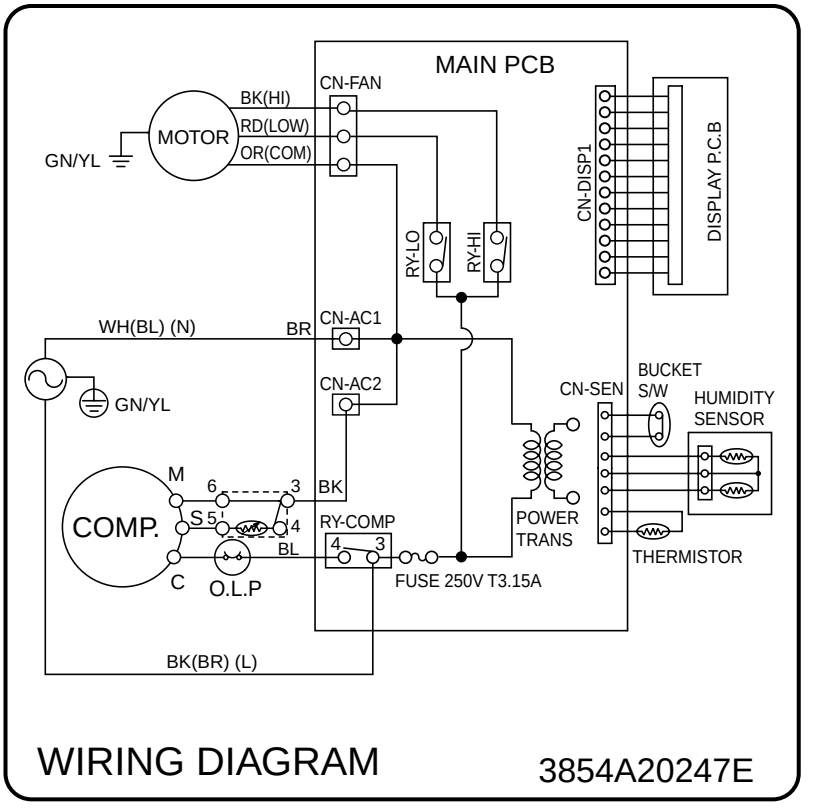


Figure 6

2. CIRCUIT DIAGRAM

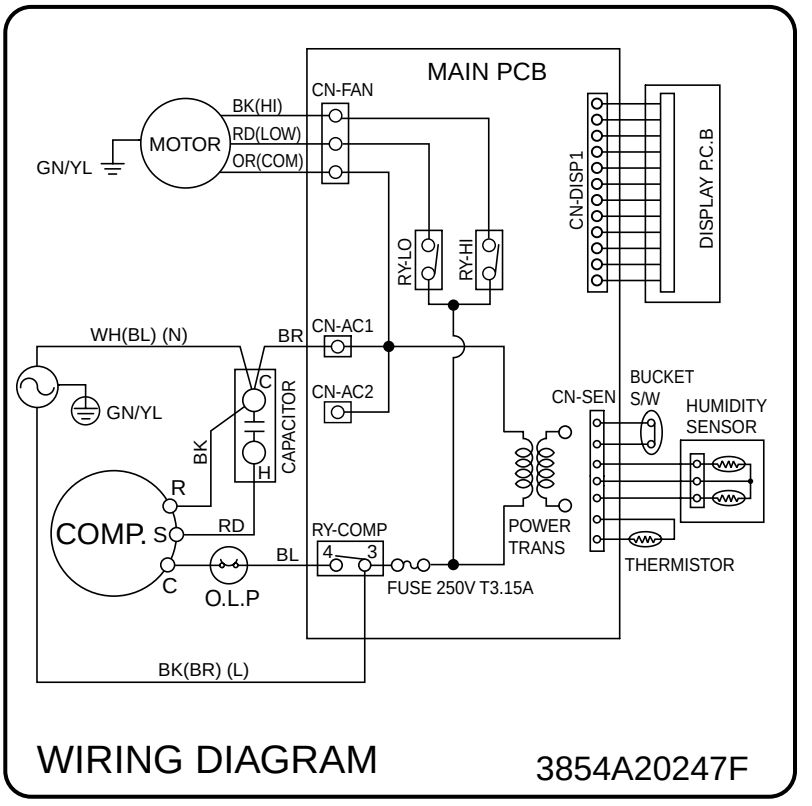
• MODEL : D30A



LOCATION NO.	DESCRIPTION	PART NO.	Q'TY PER SET	RE-MARKS
		D30A		
1	POWER CORD ASSEMBLY	6411A20001Y	1	S
2	MOTOR ASSEMBLY, SINGLE	4681A20040E	1	S
3	P.T.C. ASSEMBLY	6748C-0003D	1	S
4	RE-COMPRESSOR, SET	2521C-A8626	1	S
5	O.L.P.	6750C-0009E	1	S
6	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279B	1	S
7	SENSOR ASSEMBLY	6877A30013H	1	S
8	SWITCH ASSEMBLY, MICRO	6600A30003C	1	S
9	PWB(PCB) ASSEMBLY, MAIN	6871A20162K	1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

• MODEL : D40A/D50A/D65A



LOCATION NO.	DESCRIPTION	PART NO.			Q'TY PER SET	RE-MARKS
		D40A	D50A	D65A		
1	POWER CORD ASSEMBLY	6411A20001Y	6411A20001Z		1	S
2	MOTOR ASSEMBLY SINGLE	4681A20040E			1	S
3	CAPACITOR	0CZZA20003D	0CZZA20001R	6120AR2359V	1	S
4	COMPRESSOR (ROTARY), SET	5416A90009A	2520UCDA003	2520UCDA004	1	S
5	O.L.P. (ASSEMBLY)	6751A20001F	6750U-L058A	6750U-L048A	1	S
6	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279A			1	S
7	SENSOR ASSEMBLY	6877A30013H			1	S
8	SWITCH ASSEMBLY, MICRO	6600A30003C			1	S
9	PWB(PCB) ASSEMBLY, MAIN	6871A20162L	6871A20162K		1	S

※ S: SERVICE PARTS A: ALTERNATE PARTS N: NOT SERVICE PARTS

3. DISASSEMBLY INSTRUCTIONS

3.1 MECHANICAL PARTS

3.1.1 BUCKET AND AIR FILTER

1. Disconnect the power supply.
2. Press the power button off.
3. Remove the bucket. (See Figure 7)
4. Pressing the hooks, pull out the air filter. (See Figure 8)

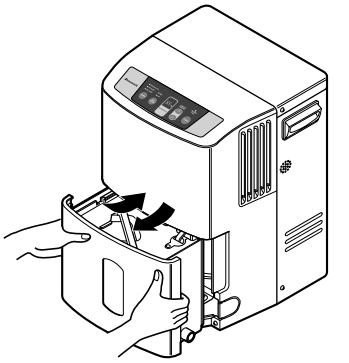


Figure 7

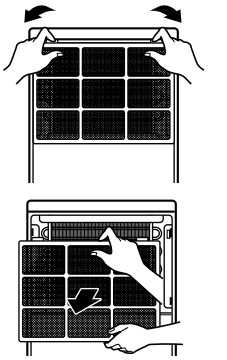


Figure 8

3.1.2 FRONT CASE AND TOP COVER

1. Remove 4 screws which fasten the front case.
2. Pull the front case at the lower side to the front and push front case upward. (See Figure 9)
3. Remove 2 screws that secure the top cover and cabinet.
4. Separate the top cover. (See Figure 10)

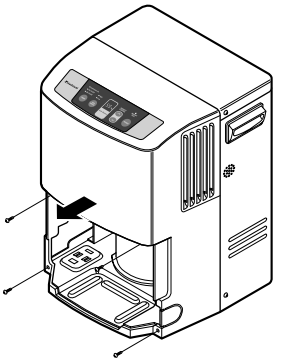


Figure 9

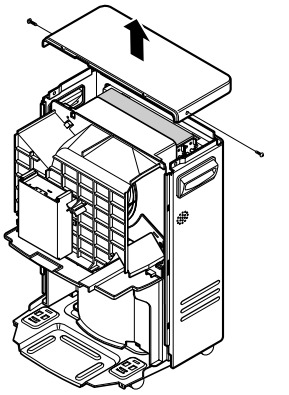


Figure 10

3.1.3. CABINET AND CONTROL BOX (Upper)

1. Remove the bucket, air filter and top cover according to the procedure above.
2. Remove a screws which fasten the control box (upper), and pull out the control box (upper). (See Figure 11)
3. Disconnect housing PWB(PCB) ASSEMBLY, DISPLAY from control box(lower) and remove front case completely.
4. Remove 7 screws on all sides of the cabinet.
5. Lift up the cabinet a little from the base pan and separate it by pulling out backward. (See Figure 12)

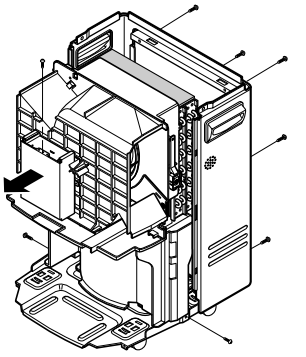


Figure 11

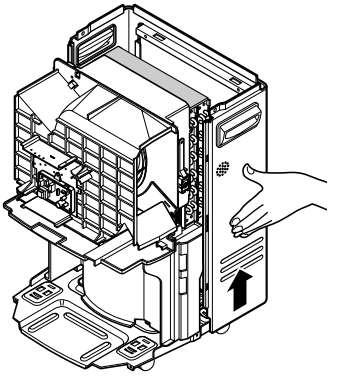


Figure 12

3.2 CONTROL PARTS

3.2.1 POWER CORD ASSEMBLY

1. After opening the control box, remove all screws that fasten the earth wires. (See Figure 13)
2. Disconnect all leads of power cord from PWB(PCB) ASSEMBLY, MAIN, then remove it from the control box.

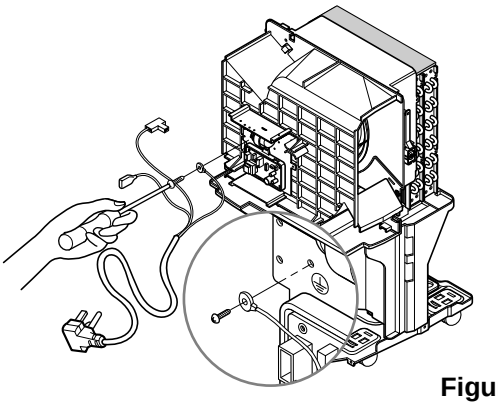


Figure 13

3.2.2 SENSOR ASSEMBLY

1. Disconnect sensor assembly from PWB(PCB) ASSEMBLY, MAIN.
2. Remove a screw which fasten the humidity sensor. (See Figure 14)
3. Remove the thermistor from holder sensor. (See Figure 14)
4. Disconnect housing from micro switch assembly. (See Figure 14)

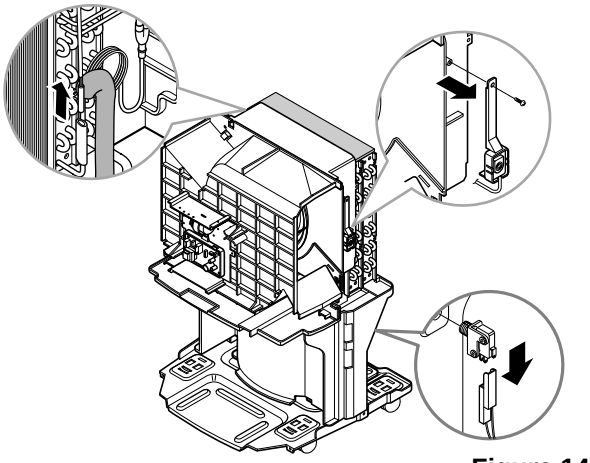


Figure 14

3.2.3 PWB(PCB) ASSEMBLY, MAIN

1. Disconnect all leads of the motor and the compressor from PWB(PCB) ASSEMBLY, MAIN.
2. Remove a screw which fastens the PWB(PCB) ASSEMBLY, MAIN and pull it out after unhooking from 2 rectangular holes of control box (lower). (See Figure 15)

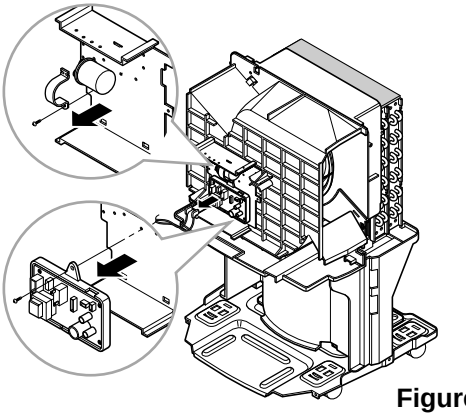


Figure 15

3.2.4 CAPACITOR (Except D30A)

1. Remove a screw that fastens capacitor. (See Figure 15)
2. Disconnect all leads of capacitor then remove it from control box.

3.2.5 MICRO SWITCH ASSEMBLY

1. Turn the nut counterclockwise and pull out the micro switch from the drain pan. (See Figure 16)

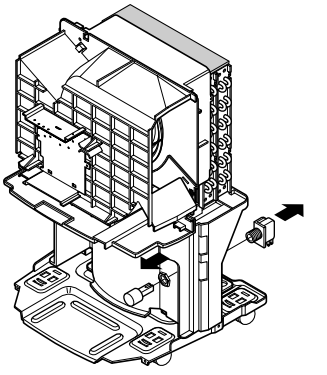


Figure 16

3.2.6 CONTROL PANEL

1. Disconnect housing of PWB(PCB) ASSEMBLY, DISPLAY from PWB(PCB) ASSEMBLY, MAIN (3.1.3).
2. Remove 5 screws that secure the PWB(PCB) ASSEMBLY, DISPLAY to cover display.

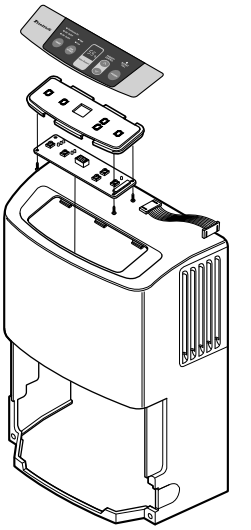


Figure 17

3.2.7 HOUSING ASSEMBLY, FAN AND MOTOR

1. Remove 4 screws that fasten the housing assembly to heat exchanger and drain pan, and lift housing assembly upward after unhooking 2 hooks on the housing. (See Figure 18)
2. Remove a screw that secures housing and orifice, and separate the orifice from housing after unhooking 3 hooks on the housing. (See Figure 19)
3. Turn the nut clockwise and full out the fan by hands carefully. (See Figure 19)
4. Unfasten 2 screws that secure the motor. (See Figure 20)
5. Separate the motor.

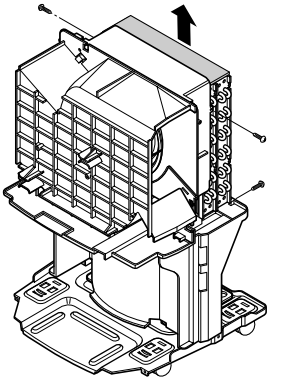


Figure 18

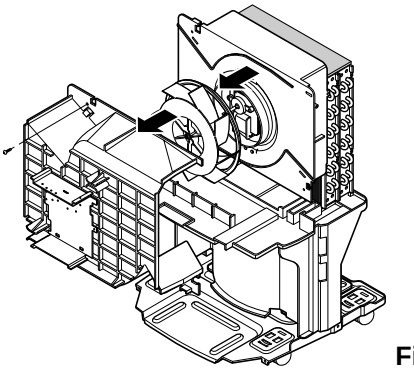


Figure 19

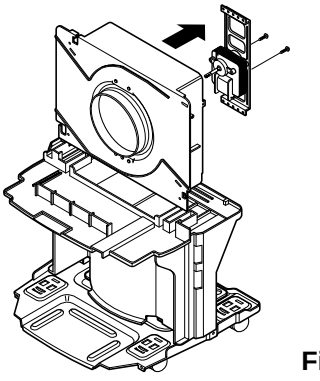


Figure 20

3.2.8 DRAIN PAN

1. Remove the housing assembly according to the procedure above.
2. Unfasten 2 screws that secure the drain pan to base pan.
3. Pull the drain pan backward then take it up from the base pan. (See Figure 21)

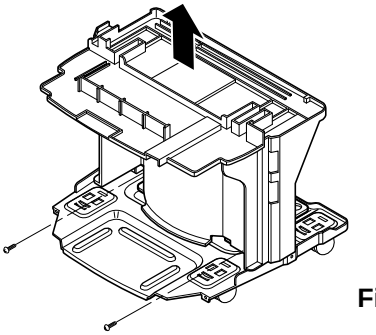


Figure 21

3.3 REFRIGERATING CYCLE

3.3.1 CONDENSER, EVAPORATOR AND CAPILLARY TUBE

1. Remove the insulation on the H/E assembly
2. Pierce the pinch-off tube to discharge the refrigerant, using a FREON™ recovery system.
3. After discharging the refrigerant completely, remove 2 screws between the housing assembly and H/E. (See Figure 22)
4. Lift the H/E and open the H/E around 45 degree counterclockwise carefully.
5. Unbrace each of interconnecting tubes of the evaporator and condenser carefully.
6. Remove the H/E assembly from the orifice. (See Figure 23)
7. Unbrace the capillary tube at the connections of each condenser and evaporator. (See Figure 24)
8. Remove 4 screws between condenser and evaporator. (See Figure 24)

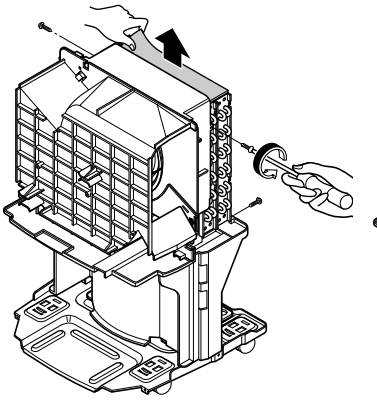


Figure 22

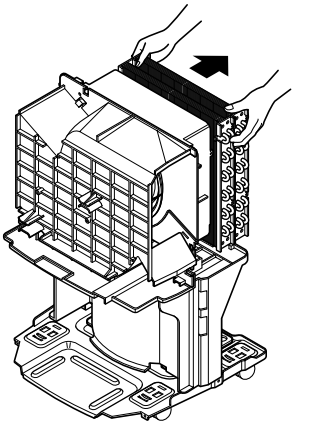


Figure 23

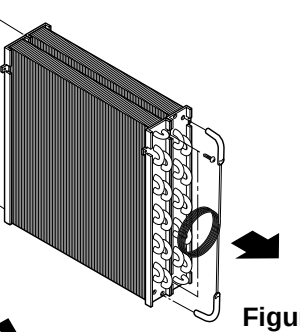
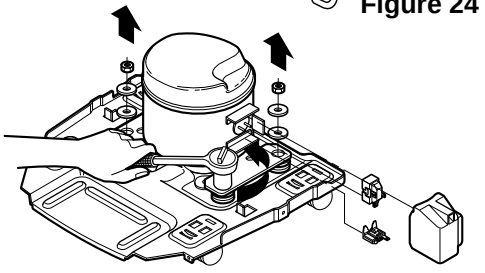


Figure 24

3.3.2 P.T.C. OR OVERLOAD PROTECTOR (O.L.P.) FOR RECIPROCATING COMPRESSOR (D30A)

1. Discharge the refrigerant by using a refrigerant Recovery System.
2. After purging the unit completely, unbrace the suction and discharge tubes at the compressor connections.
3. Remove a screw or a nut which fastens the terminal cover
4. Disconnect the lead wire from the overload protector or P.T.C. assembly.
5. Remove the overload protector(O.L.P) or P.T.C. assembly. (See Figure 25)



Using Recipro Compressor model

Figure 25

3.3.3 ROTARY COMPRESSOR

1. Discharge the refrigerant by using a refrigerant Recovery System.
2. After purging the unit completely, unbrace the suction and discharge tubes at the compressor connections.
3. Remove the nuts and washers which fasten the compressor. (See Figure 26)
4. Remove the compressor. (See Figure 26)

Using Rotary Compressor models

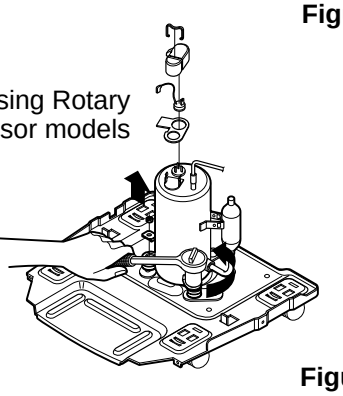


Figure 26

3.4 HOW TO REPLACE THE REFRIGERATION SYSTEM

1. When replacing the refrigeration cycle, be sure to discharge the refrigerant system by using a refrigerant recovery system.
2. After discharging the unit completely, remove the desired component, and unbrace the pinch-off tubes.
3. Solder service valves into the pinch-off tube ports, leaving the valves open.
4. Solder the pinch-off tubes with service valves.
5. After doing the above procedures, the valve must be closed and left in place on the system for any subsequent procedures.
6. Evacuate as follows.

1) Connect the vacuum pump, as illustrated in Figure 27A.
2) Start the vacuum pump, slowly open manifold valves A and B with two full turns counterclockwise and leave the valves closed. The vacuum pump is now pulling through valves A and B up to valve C by means of the manifold and entire system.

CAUTION

If high vacuum equipment is used, just crack valves A and B for a few minutes, then open slowly with the two full turns counterclockwise. This will keep oil from foaming and being drawn into the vacuum pump.

3) Operate the vacuum pump for 20 to 30 minutes, until 600 microns of vacuum are obtained. Close valves A and B, and observe vacuum gauge for a few minutes. A rise in pressure would indicate a possible leak or moisture remaining in the system. With valves A and B closed, stop the vacuum pump.
4) Remove the hose from the vacuum pump and place it on the charging cylinder. See Figure 27B. Open valve C.
   Discharge the line at the manifold connection.
5) The system is now ready for final charging.

7. Recharge as follows :

1) Refrigeration cycle systems are charged from the High-side. If the total charge cannot be put in the High-side, the balance will be put in the suction line through the access valve which you installed as the system was opened.
2) Connect the charging cylinder as shown in Figure 27B.
   With valve C open, discharge the hose at the manifold connection.
3) Open valve A and allow the proper charge to enter the system. Valve B is still closed.
4) If more charge is required, the high-side will not take it. Close valve A.
5) With the unit running, open valve B and add the balance of the charge.
   a. Do not add the liquid refrigerant to the Low-side.
   b. Watch the Low-side gauge; allow pressure to rise to 30 lbs.
   c. Turn off valve B and allow pressure to drop.
   d. Repeat steps B and C until the balance of the charge is in the system.
6) When satisfied the unit is operating correctly, use the pinch-off tool with the unit still running and clamp on to the pinch-off tube. Using a tube cutter, cut the pinch-off tube about 2 inches from the pinch-off tool. Use sil-fos solder and solder pinch-off tube closed. Turn off the unit, allow it to set for a while, and then test the leakage of the pinch-off connection.

NOTE: THE REFRIGERANT R134a IS USED SOME MODELS. CHECK THE SPECIFICATION LABEL ON THE CABINET.

When discharging refrigerant R134a, purging instrument should be used only for R134a, without mixing that of refrigerant R22.

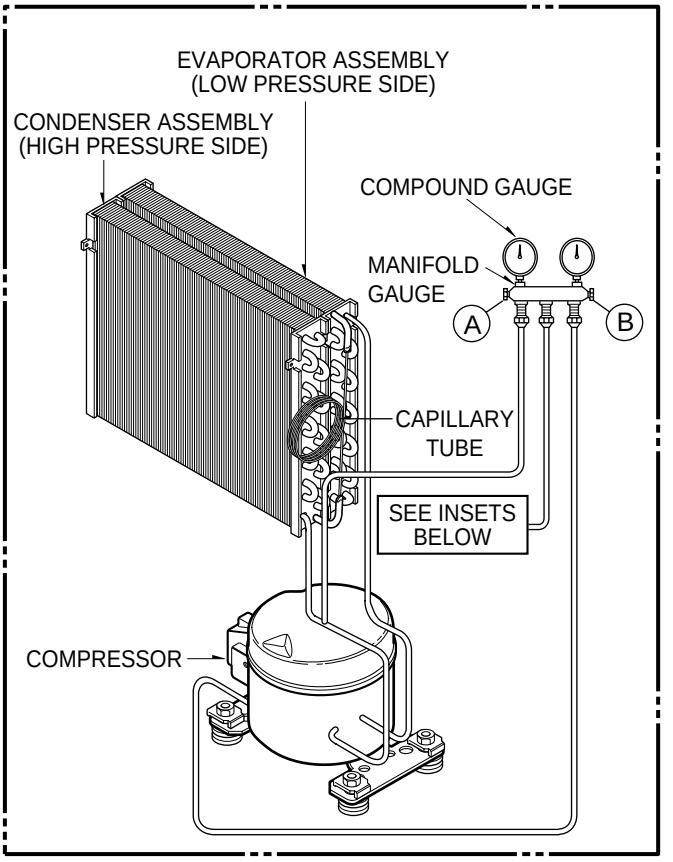
When checking the leakage of refrigerant R134a, leakage test tool should be used only for R134a.

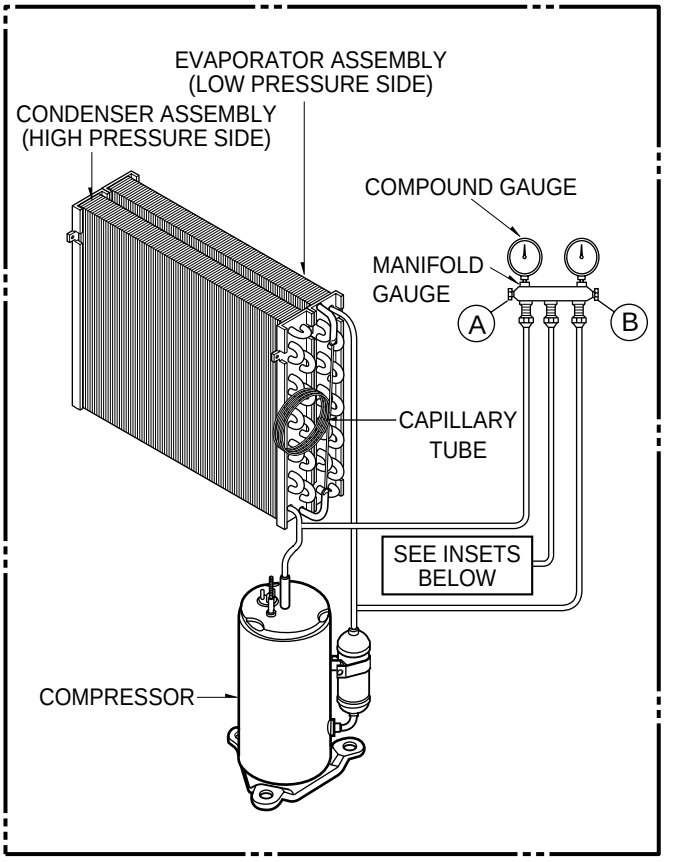
The pump for discharging should be high efficiency. Final discharging value must be managed below 0.5 Torr.

Maximum water should be less than quantity 150mg in the cycle-all tubes and H/E assembly-system.
If water quantity is over 150mg, it causes acid or corrosion in the cycle system and the capillary tube to be clogged by water and harmful materials.

The model charged the refrigerant R134a should be used dryer to prevent water from overflowing.

Equipment needed: Vacuum pump, charging cylinder, manifold gauge, brazing equipment. pinch-off tool capable of making a vapor-proof seal, leak detector, tubing cutter, hand tools to remove components, service valve.





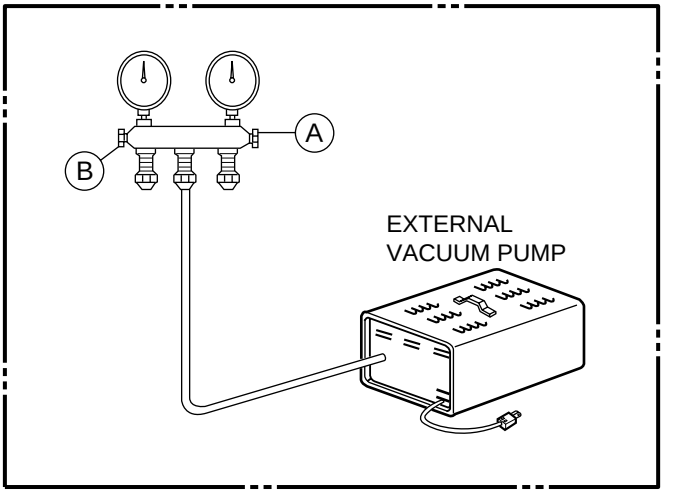


Figure 27A-Pulling Vacuum

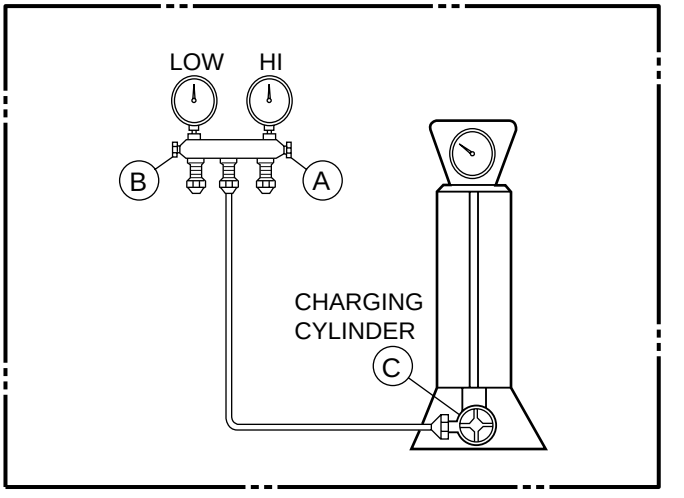


Figure 27B-Charging

4. TROUBLESHOOTING GUIDE

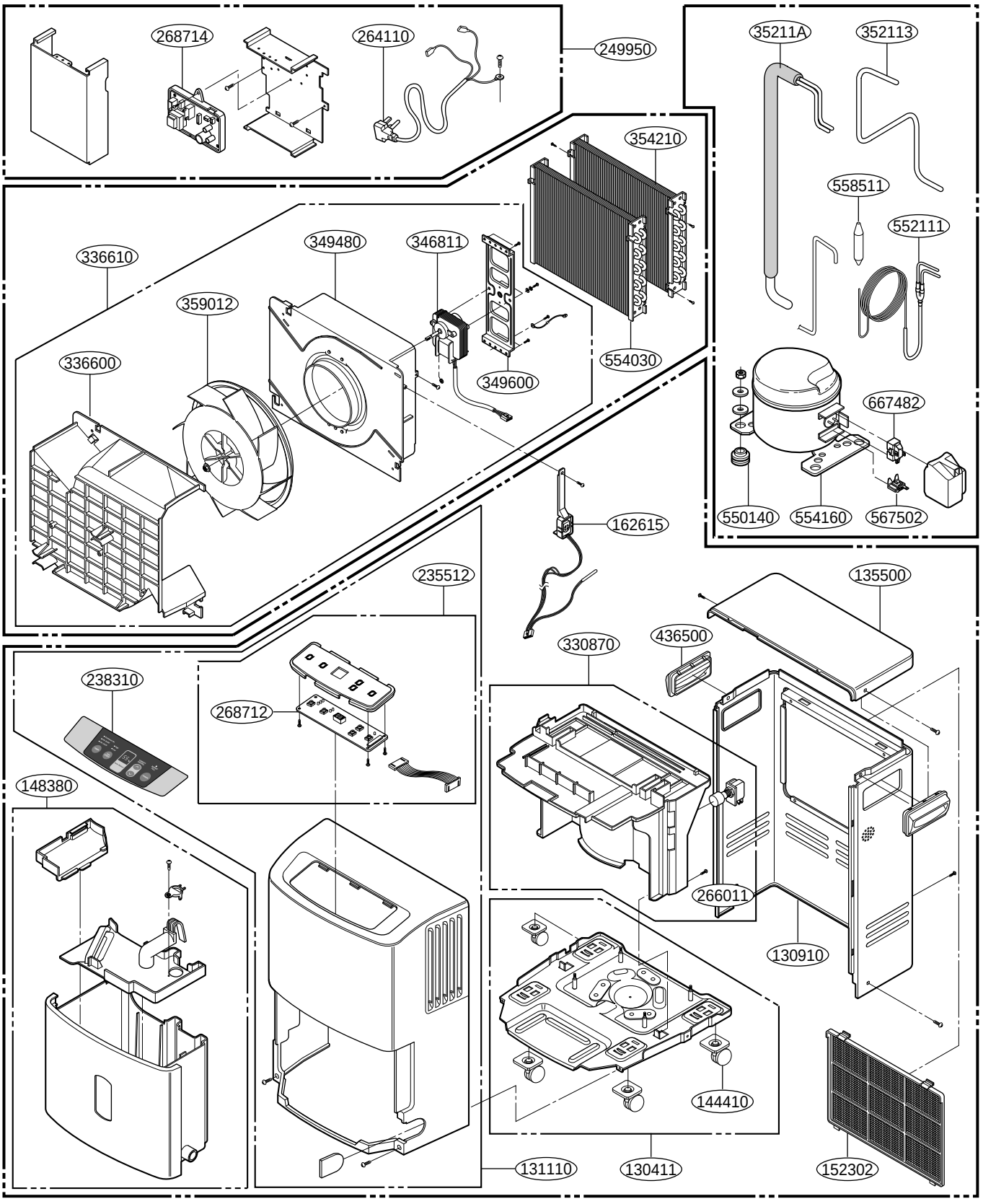
Problem	Possible Causes	Remedy
Dehumidifier does not start.	The dehumidifier is unplugged.	Make sure the dehumidifier's plug is pushed completely into the outlet.
	The fuse is blown/circuit breaker is tripped.	Check the house fuse/circuit breaker box and replace the fuse or reset the breaker.
	Water has reached its preset level.	Empty the bucket and replace properly.
	Bucket is not in the proper position and light is on.	Make sure the slots on both sides of the bucket are positioned correctly.
	Check if wiring loose or fails.	Replace wiring.
Dehumidifier does not dry the air as it should.	The control may not be set high enough.	Turn the Humidity Control knob to a higher number.
	Room temperature is too low.	Moisture removal is best at higher room temperatures. Lower room temperatures will reduce the moisture removal rate. This unit is designed to be operated at temperatures above 65°F(18°C)
	Airflow is restricted.	Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier.
	Doors and windows may not be closed tightly.	Check that all doors, windows and other openings are securely closed.
	Clothes dryer may be blowing moisture-laden air into the room.	Install the dehumidifier away from the dryer. The dryer should be vented to the outside.
Ineffective dehumidifying	Check for gas leakage at heat exchange and connecting tube.	Repair gas leak.
	Check if the air filter is clogged with dust.	Clean the air filter.
Noise	Check if the unit is securely positioned.	Set and use the dehumidifier at a sturdy, flat, and level place.

CONDITION	CAUSE	REMEDY
1. Dehumidifier does not start. (Both compressor and fan motor do not operate.)	No power	Check power supply at outlet. Correct if none.
	Poor plug contact at outlet.	Install plug properly or replace it.
	Bucket is full.	If Auto Shut Off lights, empty the bucket and replace properly.
	Humidity control is at Off position	Turn the humidity control switch toward Max.
	Wire disconnect or loose	Connect wire. Refer to wiring diagram for terminal identification. Repair or replace loose terminal.
	Capacitor. (Discharge capacitor before testing.)	Test capacitor. Replace if not within ±10% of manufacturer's rating. Replace if shorted, open, or damaged.
2. Motor runs but compressor does not run.	Voltage (115V ± 10%)	It must be between 103.5V and 126.5V. If not within limits, call an electrician
	Wiring	Check the wire connections; If loose, repair or replace the terminal. If the wires are disconnected, refer to wiring diagram for identification, and replace the wires. Check the wire connections; If not according to the wiring diagram, correct the connections.
	Rotary switch	Check for continuity, refer to the wiring diagram for terminal identification. Replace the switch if the circuit is open.
	Defrost control	The Defrost Control senses frost build-up on the evaporator coil and automatically shuts off the compressor. The fan continues to run, drawing air across the coil, and melting the frost. When the coil is defrosted, the compressor automatically restarts, and dehumidifying resumes.
	Capacitor (Discharge capacitor before servicing.)	Check the capacitor. Replace if not within ±10% of manufacturer's rating. Replace if shorted, open, or damaged.
	Compressor	Check the compressor for open circuit or ground. If open or grounded, replace the compressor.
	Overload protector (O.L.P.)	Check the compressor O.L.P. if externally mounted. Replace if open. (If the compressor temperature is high, remove O.L.P., cool, and retest.)
3. Does not defrost control.	Defrost control is defective.	Check defrost control, replace it.
4. Insufficient dehumidification	Low relative humidity	Turn dehumidifier off.
	Poor air circulation	Move dehumidifier to obtain free and unobstructed air circulation.
	H/E clogged with dust and dirt	Clean evaporator and/or condenser assembly
	Air filter is dirty.	Clean it.
	Motor is not operating.	Check Motor, repair or replace it.

CONDITION	CAUSE	REMEDY
5. Noisy operating	Fan	If cracked, out of balance, or partially missing, replace it
	Some material plunged and rattle.	Remove it.
	Tube hits frame.	Adjust tubing routine carefully.
	Fan blade hits frame	Check Motor Mount. If loose, tighten it.
	Internal compressor noise.	Replace compressor.
	Loose set screws	Tighten them.
	Worn bearings of Motor Assembly	If knocking sounds continue when running or loose, replace the motor. If the motor hums or noise appears to be internal while running, replace motor assembly.
6. Water drips	The bucket is not installed properly.	The bucket should be properly positioned on the hangers of the drain pan.
	Connection may be loose.	Check connection and repair.
	Leak in bucket	Replace bucket.
	Water drips when bucket removed for emptying.	Before removing bucket, the unit should be turned off.
	Bucket overflows.	Check micro switch and float.
7. Compressor cycles on overload protector. (O.L.P.)	High or low line voltage. (115V ± 10%)	Check line voltage. It must be between 103.5V and 126.5V volts. If intermittent, provide new supply.
	Poor air circulation.	Move dehumidifier for free and unobstructed air flow.
	Heat Exchange clogged with dust or dirt.	Clean dust or dirt on the Heat Exchange.
	Motor	If not running, determine the cause. Replace if required.
	Bad P.T.C. assembly (if assembled)	Check P.T.C., Repair.
	Short circuit or ground in electrical circuit	Check electrical circuit. Repair.
	Unit pressures not equalized	Allow 2 or 3 minutes for pressure to equalize before starting compressor.
	Capacitor	Test the capacitor.
	Wiring	Check the terminals. If loose, repair or replace.
	Refrigeration system	Check the system for a restriction.
	Stuck compressor	Check compressor, replace compressor
	Overload protector (O.L.P.)	Check O.L.P., if externally mounted. Replace if open. (If the compressor temperature is high, remove the O.L.P., cool, and retest.)

5. EXPLODED VIEW - INTRODUCTION

• MODEL: D30A



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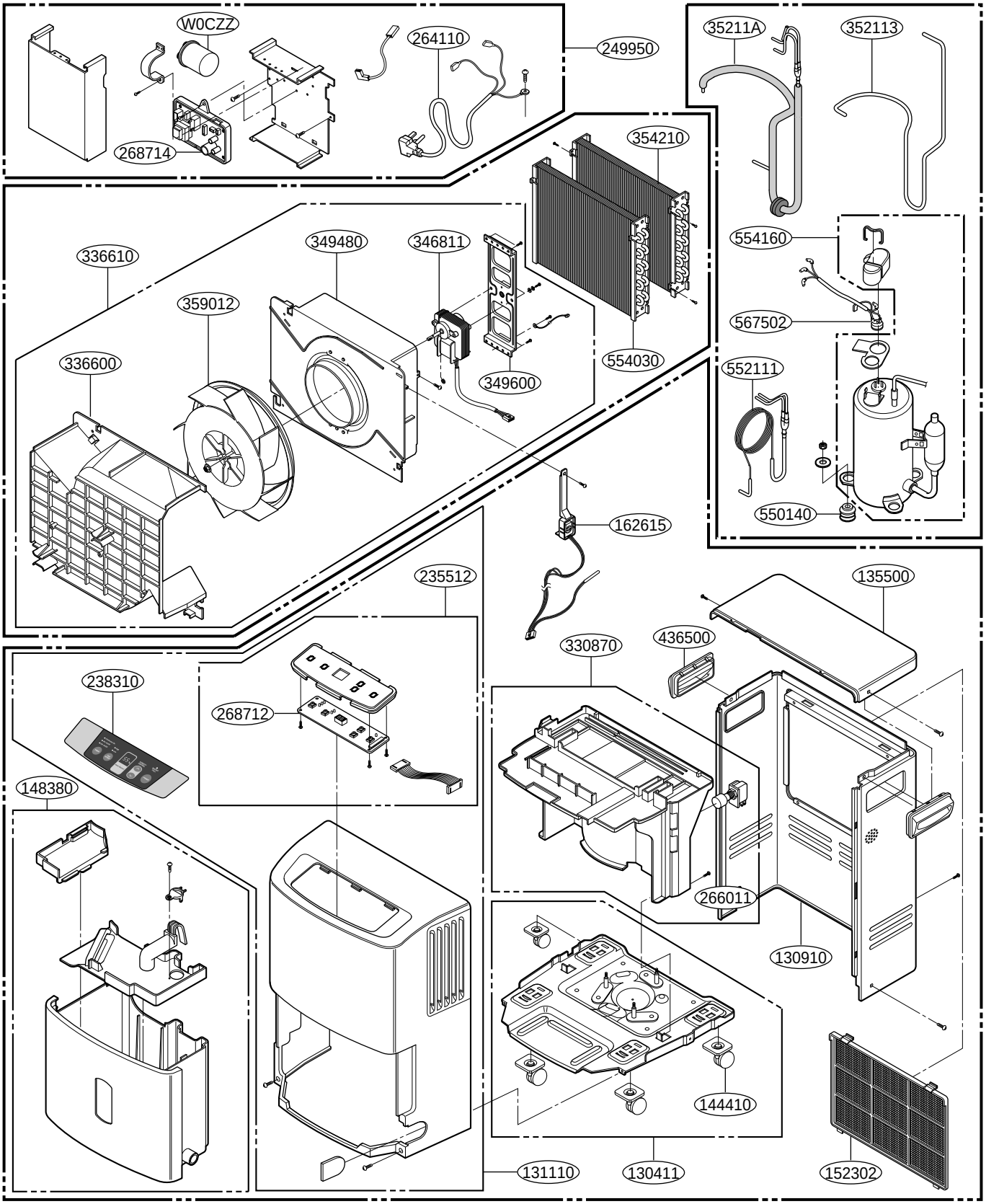
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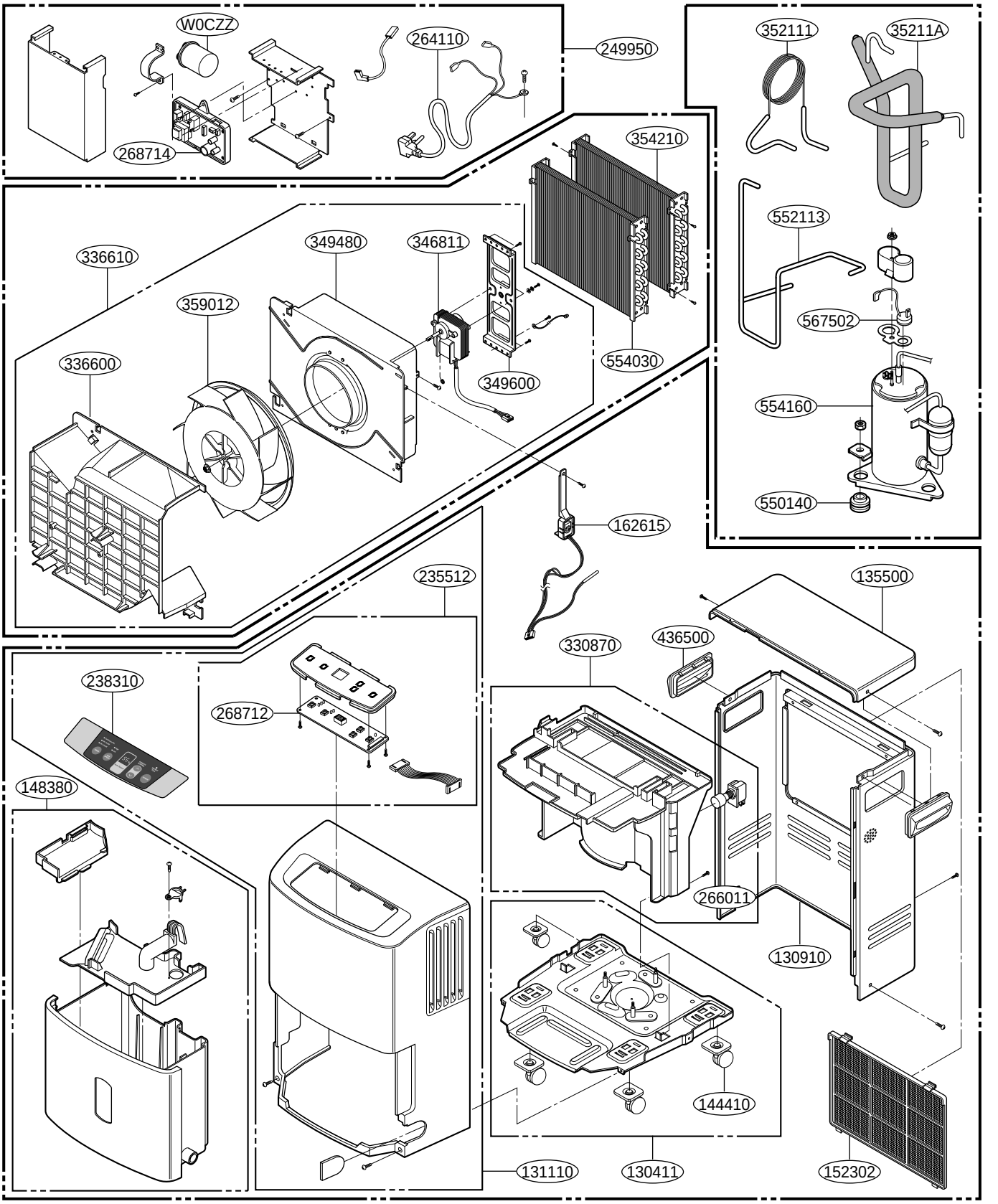
• MODEL: D50A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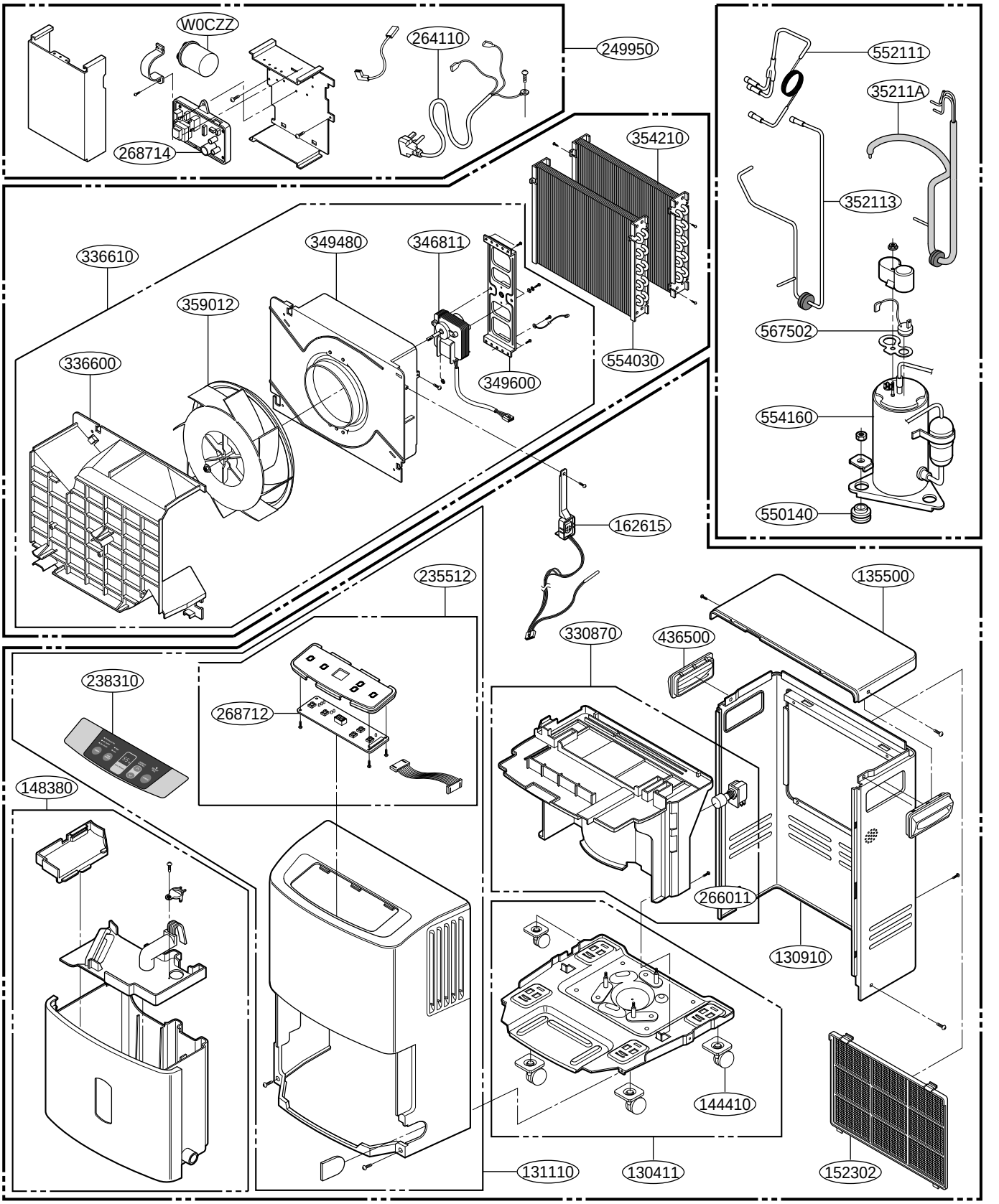
• MODEL: D65A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148380
266011
130910
144410
131110
130411
152302

6. REPLACEMENT PARTS LIST

• MODEL: D30A

LOCATION NO.	DESCRIPTION	PART NO.	REMARK
		D30A	
130411	BASE ASSEMBLY, SELD(SINGLE)	3041A10028C	
130910	CABINET ASSEMBLY, SINGLE	3091A20015D	
131110	CASE ASSEMBLY, SINGLE	3111A10016F	
330870	DRAIN PAN ASSEMBLY	3087A10011B	
148380	TANK, ASSEMBLY, BUCKET	4839A10001D	
152302	FILTER(MECH), AIR	5230A20026A	
162615	SENSOR ASSEMBLY	6877A30013H	
249950	CONTROL BOX ASSEMBLY	4995A10074F	
264110	POWER CORD ASSEMBLY	6411A20001Y	
266011	SWITCH ASSEMBLY, MICRO	6600A30003C	
268712	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279A	
268714	PWB(PCB) ASSEMBLY, MAIN	6871A20162K	
346811	MOTOR ASSEMBLY, SINGLE	4681A20040E	
35211A	TUBE ASSEMBLY, SUCTION SINGLE	5211A20812A	
352113	TUBE, DISCHARGE	5210A21843A	
354210	EVAPORATOR ASSEMBLY	5421A20131A	
336600	HOUSING ASSEMBLY	3660A10003A	
550140	ISOLATOR, COMP	5040AR4195A	
552111	TUBE ASSEMBLY, CAPILLARY	5211A20814A	
554030	CONDENSER ASSEMBLY	5403A20110A	
554160	RE-COMPRESSOR, SET	2521C-A8626	
359012	FAN, TURBO	5900A20032A	
567502	O.L.P	6750C-0009E	
349600	MOUNT, MOTOR	4960A20009A	
667482	P.T.C, ASSEMBLY	6748C-0003D	
135500	COVER(TOP)	3550A20162A	
436500	HANDLE	3650A20003A	
144410	CASTER ASSEMBLY, ROLLER	4441A30001B	
238310	ESCUTCHEON	3831A20051C	
235512	COVER, ASSEMBLY, DISPLAY	3551A10024A	
349480	ORIFICE	4948A10023A	
336610	HOUSING ASSEMBLY, SINGLE	3661A10019A	
558511	DRIER ASSEMBLY	5851A30001A	

• MODEL: D40A

LOCATION NO.	DESCRIPTION	PART NO.	REMARK
		D40A	
130411	BASE ASSEMBLY, WELD(SINGLE)	3041A10028A	
130910	CABINET ASSEMBLY, SINGLE	3091A20015B	
131100	CASE ASSEMBLY, SINGLE	3111A10016B	
330870	DRAIN PAN ASSEMBLY	3087A10011A	
148380	TANK ASSEMBLY, BUCKET	4839A10001D	
152302	FILTER(MECH), AIR	5230A20026A	
162615	SENSOR ASSEMBLY	6877A30013H	
W0CZZ	CAPACITOR	0CZZA20003D	
249950	CONTROL BOX ASSEMBLY	4995A10074G	
264110	POWER CORD ASSEMBLY	6411A20001Y	
266011	SWITCH ASSEMBLY, MICRO	6600A30003C	
268712	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279A	
268714	PWB(PCB) ASSEMBLY, MAIN	6871A20162L	
346811	MOTOR ASSEMBLY, SINGLE	4681A20040E	
35211A	TUBE ASSEMBLY, SUCTION SINGLE	5211A20781A	
352113	TUBE ASSEMBLY, DISCHARGE SINGLE	5211A20780A	
354210	EVAPORATOR ASSEMBLY	5421A20131A	
336600	HOUSING ASSEMBLY	3660A10003A	
550140	BUSHING	4830A30005A	
552111	TUBE ASSEMBLY, CAPILLARY	5211A20789A	
554030	CONDENSER ASSEMBLY	5403A20114A	
554160	COMPRESSOR, SET	5416A90009A	
359012	FAN, TURBO	5900A20032A	
567502	O.L.P, ASSEMBLY	6751A20001F	
349600	MOUNT, MOTOR	4960A20009A	
135500	COVER (TOP)	3550A20162A	
436500	HANDLE	3650A20003A	
144410	CASTER ASSEMBLY, ROLLER	4441A30001B	
238310	ESCUTCHEON	3831A20051C	
235512	COVER ASSEMBLY, DISPLAY	3551A10024A	
349480	ORIFICE	4948A10023A	
336610	HOUSING ASSEMBLY, SINGLE	3661A10019A	

• MODEL: D50A

LOCATION NO.	DESCRIPTION	PART NO.	REMARK
		D50A	
130411	BASE ASSEMBLY, WELD(SINGLE)	3041A10028B	
130910	CABINET ASSEMBLY, SINGLE	3091A20015F	
131110	CASE ASSEMBLY, SINGLE	3111A10016C	
330870	DRAIN PAN ASSEMBLY	3087A10011C	
148380	TANK ASSEMBLY, BUCKET	4839A10001E	
152302	FILTER(MECH), AIR	5230A20026A	
162615	SENSOR ASSEMBLY	6877A30013H	
W0CZZ	CAPACITOR	0CZZA20001R	
249950	CONTROL BOX ASSEMBLY	4995A10074H	
264110	POWER CORD ASSEMBLY	6411A20001Z	
266011	SWITCH ASSEMBLY, MICRO	6600A30003C	
268712	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279A	
268714	PWB(PCB) ASSEMBLY, MAIN	6871A20162K	
346811	MOTOR ASSEMBLY, SINGLE	4681A20040E	
35211A	TUBE ASSEMBLY, SUCTION SINGLE	5211A20875A	
352113	TUBE ASSEMBLY, DISCHARGE SINGLE	5211A20934A	
354210	EVAPORATOR ASSEMBLY	5421A20133A	
336600	HOUSING ASSEMBLY	3660A10003A	
550140	BUSHING	4830A30005A	
552111	TUBE ASSEMBLY, CAPILLARY	5211A20933A	
554030	CONDENSER ASSEMBLY	5403A20114B	
554160	COMPRESSOR, SET	2520UCDA003	
359012	FAN, TURBO	5900A20032A	
567502	O.L.P	6750U-L058A	
349600	MOUNT, MOTOR	4960A20009A	
135500	COVER(TOP) ASSEMBLY	3551A20096A	
436500	HANDLE	3650A20003A	
144410	CASTER ASSEMBLY, ROLLER	4441A30001B	
238310	ESCUTCHEON	3831A20051C	
235512	COVER ASSEMBLY, DISPLAY	3551A10024A	
349480	ORIFICE	4948A10023A	
336610	HOUSING ASSEMBLY, SINGLE	3661A10019A	

• MODEL: D65A

LOCATION NO.	DESCRIPTION	PART NO.	REMARK
		D65A	
130411	BASE ASSEMBLY, WELD(SINGLE)	3041A10028B	
130910	CABINET ASSEMBLY, SINGLE	3091A20015F	
131110	CASE ASSEMBLY, SINGLE	3111A10016C	
330870	DRAIN PAN ASSEMBLY	3087A10011C	
148380	TANK ASSEMBLY, BUCKET	4839A10001E	
152302	FILTER(MECH), AIR	5230A20026A	
162615	SENSOR ASSEMBLY	6877A30013H	
W0CZZ	CAPACITOR	6120AR2359V	
249950	CONTROL BOX ASSEMBLY	4995A10074D	
264110	POWER CORD ASSEMBLY	6411A20001Z	
266011	SWITCH ASSEMBLY, MICRO	6600A30003C	
268712	PWB(PCB) ASSEMBLY, DISPLAY	6871A20279A	
268714	PWB(PCB) ASSEMBLY, MAIN	6871A20162E	
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235512	COVER ASSEMBLY, DISPLAY	3551A10024A	
349480	ORIFICE	4948A10023A	
336610	HOUSING ASSEMBLY, SINGLE	3661A10019A	

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Printed in the U.S.A **D30A / D40A / D50 / 65A (03/03)**